

ABSTRACT

Enzymatic compositions comprising a *Coprinus* peroxidase, hydrogen, peroxide or a source of hydrogen peroxide, and an enhancing agent such as an electron donor, e.g., phenothiazine-10-propionic acid; 2,2'-azino-bis(3-ethylbenzothiazoline-6-sulfonate); acetosyringate; C₁₋₈-alkylsyringate; or a water-soluble halide or thiocyanate salt such as potassium iodide, have antimicrobial properties useful e.g., for inhibiting or killing microorganisms present in laundry, on human or animal skin, hair, mucous membranes, oral cavities, teeth, wounds, bruises, and on hard surfaces, and can be used as disinfectant, a preservative for cosmetics, and for cleaning, disinfecting or inhibiting microbial growth on process equipment used for e.g. water treatment, food processing, chemical or pharmaceutical processing, paper pulp processing, and water sanitation.